

Title (en)

SYNCHRONIZATION SIGNAL BLOCK DETERMINING METHOD AND RELATED APPARATUS

Title (de)

VERFAHREN ZUR BESTIMMUNG EINES SYNCHRONISATIONSSIGNALBLOCKS UND ZUGEHÖRIGES GERÄT

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE BLOCS D'UN SIGNAL DE SYNCHRONISATION ET APPAREIL ASSOCIÉ

Publication

EP 4099769 A1 20221207 (EN)

Application

EP 20924585 A 20200313

Priority

CN 2020079363 W 20200313

Abstract (en)

Embodiments of this application disclose a synchronization signal block determining method and a related apparatus, and may be applied to 5G communication technologies. The method includes: A terminal device detects a first synchronization signal block (SSB); the terminal device determines a second SSB based on the first SSB, where a frequency domain position of the first SSB and a frequency domain position of the second SSB are within a preset bandwidth, or a frequency domain offset between the first SSB and the second SSB is a preset value. Both the first SSB and the second SSB are CD-SSBs. The second SSB may be considered as a backup SSB for the first SSB. In this manner, after finding the first SSB and the second SSB, the terminal device may combine received signals to improve a signal-to-noise ratio, so that power of a noise signal in a received signal is reduced by half, reliability of information transmission is improved, and further a coverage area of a cell is expanded.

IPC 8 full level

H04W 56/00 (2009.01)

CPC (source: EP US)

H04L 5/0048 (2013.01 - EP); **H04L 5/0053** (2013.01 - EP); **H04L 5/0094** (2013.01 - EP); **H04W 56/0015** (2013.01 - EP);
H04W 72/0453 (2013.01 - US)

Cited by

EP4199617A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4099769 A1 20221207; **EP 4099769 A4 20230405**; CN 115244998 A 20221025; US 2023007656 A1 20230105;
WO 2021179327 A1 20210916

DOCDB simple family (application)

EP 20924585 A 20200313; CN 2020079363 W 20200313; CN 202080098132 A 20200313; US 202217931303 A 20220912